

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 7, 2003 (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	10/07/2003
				First Named Inventor	Osamu TAKAGI
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	016887-1100
Sheet	1	of	1		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,026,273		KINOUCHI et al.	02-15-2000	
	A2	6,078,781		TAKAGI et al.	06-20-2000	
	A3	6,087,641		KINOUCHI et al.	07-11-2000	
	A4	4,329,565		NAMIKI et al.	05-11-1982	
	A5	5,778,293		OHTSUKA	07-07-1998	
	A6	5,101,086		DION et al.	03-31-1992	
	A7	4,335,222		GEITHMEN et al.	10-19-1982	
	A8	4,570,044		KOBAYASHI et al.	02-11-1986	
	A9	5,895,598		KITANO et al.	04-20-1999	
	A10	5,752,150		KATO et al.	05-12-1998	
	A11	5,819,150		HAYASAKI et al.	10-06-1998	
	A12	4,029,926		AUSTIN	06-14-1977	
	A13	2,649,527		CHAPMAN et al.	08-18-1953	
	A14	6,255,633	B1	TAKAGI et al.	07-03-2001	
	A15	6,252,212	B1	TAKAGI et al.	06-26-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
M	A16	JP	3-266391	A	FUJI ELECTRONICS IND.	11-27-1991		
M	A17	JP	59-33476	A	MATSUSHITA ELECTRIC IND. CO., LTD.	02-23-1984		
M	A18	JP	8-76620		CANON	03-22-1996		
M	A19	JP	4-262392	A	TOKUDEN CO., LTD.	09-17-1992		
M	A20	JP	4-306584	A	TOKUDEN CO., LTD.	10-29-1992		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature	PHILIP H. LEUNG	Date Considered	9-22-2004
--------------------	-----------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.